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2009 DOE QA Concerns – CAP Status

- ◆ 4 New CAPs OQ-01/04/2010-01 thru -04
 - ❖ C1 & C2 Terms used in CAPA procedure – OQ-01/04/2010-01
 - CAPA updated & posted 03/31/10 (complete) – Due 04/30/10
 - ❖ C3 WSS set maintenance roles - OQ-01/04/2010-03
 - WSS / FESHM 1070 updated & posted 01/29/10 (complete) – Due 05/31/10
 - ❖ C6 Documentation of acceptance testing varies - OQ-01/04/2010-04
 - Inspection assessment added to schedule – Due 05/30/10
 - ❖ C7 & C8 Identify assessment criteria, define terms – OQ-01/04/2010-02
 - C7 Procedure updated & posted 04/05/10 (complete) – Due 05/15/10
 - C8 Manual in process – Due 05/15/10

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2009 DOE QA Concerns – CAP Status

◆ Existing As-Is CAPs

- ❖ C5 Fermilab Chief Engineer – OQ-05/22/2009-01
 - Elevated to AC and Laboratory Director
- ❖ C4 & SC1 (sig. concern) Inconsistent engineering practices, lack of Engineering Manual - 05/22/2009-02
 - Draft Manual updated, review scheduled with Laboratory Director – Due 07/31/10
- ❖ C9 & C10 S/CI roles & disposition – OQ-05/30/2009-06
 - Procedures updated & posted 03/19/2010 (complete) – Due 03/19/10

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2009 DOE QA Concerns – 4 CAPs from 2006 DOE QA assessment

- ❖ Criterion 2 Job specific training – OQ-08/10/2009-01
 - System Changed 01/01/10 (complete) Due 01/01/10 – ongoing roll out

- ❖ Criterion 4 Document management – OQ-08/05/2009-01
 - Teamcenter program of work in progress Due 06/01/10
 - Sharepoint program of work in progress Due 06/01/10

- ❖ Criterion 4 Records management – OQ-08/05/2009-02
 - Approved, rollout in progress – 85% completion Due 09/30/10

- ❖ Criterion 8 Calibration – AD-05/07/2009-03
 - Equipment being identified, policy being drafted – Due 11/01/10

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As-Is CAP Status Summary

CAP Summary by Category as of 03/30/10

Table 1 - Pivot Table

Count of Category	
Category	Total
* Assessments	4
* Documents	34
Inspection / Test	1
Item Control	1
* M&TE	8
* PII	1
* Qualification & Training	13
* Records	13
S/CI	1
Work Processes	3
Design	1
* Requirements Flowdown	1
Quality Improvement	1
* Program	10
** Grand Total	92

Table 2 - Sort on Frequency

Count of Category		
Category	Total	% of Total
* Documents	34	36.96%
* Qualification & Training	13	14.13%
* Records	13	14.13%
* Program	10	10.87%
* M&TE	8	8.70%
* Assessments	4	4.35%
Work Processes	3	3.26%
Inspection / Test	1	1.09%
Item Control	1	1.09%
* PII	1	1.09%
S/CI	1	1.09%
Design	1	1.09%
* Requirements Flowdown	1	1.09%
Quality Improvement	1	1.09%
** Grand Total	92	100.00%

* 23 of 102 elevated to OQBP / Assurance Council

** Excludes 10 Cancelled CAPs (duplicate, combined, elevation Includes 5 DOE 2006 QA

*** 83 CAPs formally accepted by Process Owners others in progress (excludes cancelled)

44 Implemented, 43 Verified Compared to 29 Implemented & 28 Verified 01/03/2010

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Project QA Status

◆ Science / Project QA

❖ Project QAE

- Presentation on QA to project teams
 - Awaiting Director's signature on project QA charge to proceed

❖ As-Is baseline completed

- Reports delivered to process owners for review
 - Minerva, MINOS, Muon Accelerator, D0, Lattice QCD
- Last two reports in final draft stage with the team before submittal
 - FICAP, ANSI/ASQ Z1.13 to Fermilab QA Guidelines for Scientific Research
- Team: Tom King (QAE), Bakul Banerjee (CD), Keith Shuh (PPD)
- Review committee to be assembled by AD for Research
 - Review gaps, recommend & assign CAPs

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Assessment Program

◆ OQBP Assessment program

❖ FY2010 Completed Nov-Mar

- FESS time & materials
- AD Linac power amp. tube management
- BSS Wired telecom
- ES&H Nuclear materials management
 - consolidated ES&H, QA

❖ FY2010 Remaining – Apr-Sept

- TD Work Process Controls
 - consolidated tripartite DOE, ES&H, QA
- CD WAN
- AD Power outage recovery (leverage RCA from CD outage)

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Assessment Program

- ◆ OQBP Assessment program
 - ❖ FY2011 Being planned (# contingent on resources)
 - Tentative candidates include
 - PPD Requirements management
 - Scientific editorial review (by request)
 - Divisions receipt inspection & test
 - Sections receipt inspection & test
 - EVMS
 - Divisions S/CI implementation
 - Sections S/CI implementation
 - Divisions M&TE
 - Sections M&TE

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Accomplishments between last brief and Mar 31, 2010

- ◆ General employee QA training
 - ❖ Training & test complete, posted, ITNA updates complete
 - ❖ Mostly positive feedback
- ◆ Automated Graded Approach Tool tested & submitted to production
 - ❖ Testing extended due to resource limitations in production environment
- ◆ Assessment Manual & Procedures completed
 - ❖ Additional review & reconciliation with D/S/Cs
 - ❖ Updated for new CAPs from 2009 DOE QA assessment
 - ❖ Schedule consolidation began – requires extensive coordination
- ◆ S/CI Procedure updates added, comments reconciled, posted
- ◆ FICAP – Lessons learned program implemented 1st new LL entered
- ◆ As-Is science report being prepared for research AD & committee

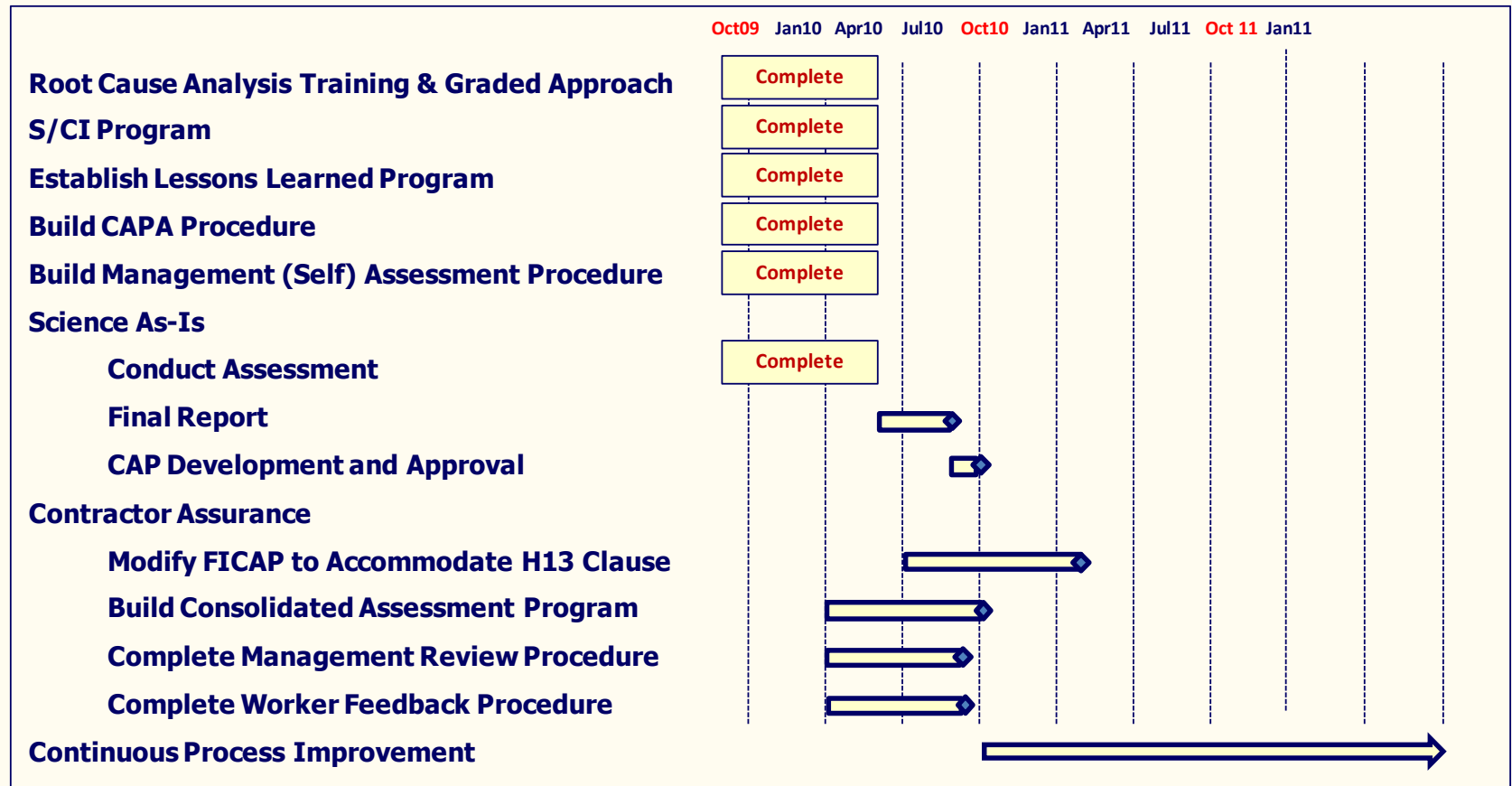
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Future Targets Against Schedule

- ◆ Consolidated assessment program - June 30, 2010
 - ❖ Began before scheduled start
- ◆ Complete acceptance of Corrective Actions from Science As-Is for QA implementation – June 30, 2010
- ◆ Contractor Assurance
 - ❖ Procedure Due – June 21, 2010
 - Management Review
 - Worker Feedback
- ◆ Modify FICAP to accommodate H13
 - ❖ Targeting October 31st, 2010

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Future Targets Against Schedule



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More Discussion Items

◆ FSO OQBP Joint Activities

- ❖ Meeting on impact of H13 Clause on QA & CA
 - PEMP
 - Documents (e.g. assessment program)
 - Schedules
- ❖ Next quarterly DOE QA brief by 15 Jul 2010
- ❖ Next DOE QA assessment (scheduling, criteria, scope etc)

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IQA Implementation

Questions?